

SEP 25 1939
CS14-39
Shirts (Junior-Shirts and Polo)
and Waists (Button-on); Boys'

UNITED STATES DEPARTMENT OF COMMERCE

HARRY L. HOPKINS, Secretary

NATIONAL BUREAU OF STANDARDS

LYMAN J. BRIGGS, Director

**BOYS' BUTTON-ON WAISTS, SHIRTS,
JUNIOR AND POLO SHIRTS**

(Made from Woven Fabrics)

(SECOND EDITION)

COMMERCIAL STANDARD CS14-39

Supersedes CS14-31

Effective Date for New Production from August 15, 1939



A RECORDED STANDARD OF THE INDUSTRY

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1939

PROMULGATION
of
COMMERCIAL STANDARD CS14-39
for
BOYS' BUTTON-ON WAISTS, SHIRTS, JUNIOR AND
POLO SHIRTS
(MADE FROM WOVEN FABRICS)
(Second Edition)

On April 17, 1929, a general conference of representative manufacturers, distributors, and buyers of boys' blouses, button-on waists, shirts, and junior shirts adopted a commercial standard for the sizes of these garments. The industry subsequently accepted, and approved for promulgation by the United States Department of Commerce, the original standard with certain minor modifications in accordance with the revised draft dated April 19, 1930. The standard became effective for new production and clearance of existing stocks on June 1, 1931.

On October 20, 1938, the standing committee recommended, among other changes, a system of button spacings for boys' button-on waists, the elimination of boys' blouses, and the addition of boys' polo shirts. This recommendation was later approved and accepted by the industry for promulgation by the United States Department of Commerce, through the National Bureau of Standards, as Boys' Button-On Waists, Shirts, Junior and Polo Shirts (Second Edition), Commercial Standard CS14-39.

The standard is effective for new production from August 15, 1939

Promulgation recommended.

I. J. Fairchild,
Chief, Division of Trade Standards.

Promulgated.

Lyman J. Briggs,
Director, National Bureau of Standards.

Promulgation approved.

Harry L. Hopkins.
Secretary of Commerce.

BOYS' BUTTON-ON WAISTS, SHIRTS, JUNIOR AND POLO SHIRTS

(Made from Woven Fabrics)

(Second Edition)

COMMERCIAL STANDARD CS14-39

GENERAL

1. *Purpose*.—The purpose is to provide standard methods of measurement and standard minimum measurements for the guidance of producers, distributors, and users in order to eliminate confusion resulting from a diversity of measurements and methods, and to provide a uniform basis for guaranteeing correct size.

2. *Scope*.—This standard covers boys' button-on waists, boys' shirts, junior and polo shirts, together with a system of button spacings for boys' button-on waists.

3. *Application*.—The methods and measurements given herein shall be applicable to finished garments as delivered by the manufacturer. Due allowances over dimensions given are made for shrinkage.

STANDARD MINIMUM MEASUREMENTS

4. *Method of measuring—General*.—The garment to be measured shall be laid out without tension on a smooth, flat surface, so that creases and wrinkles will not affect the measurements. A steel tape is recommended as being more accurate than other ordinary measuring devices.

5. *Accuracy*.—Measurements shall be taken to the nearest $\frac{1}{8}$ inch.

BOYS' BUTTON-ON WAISTS

Method of Measuring

6. *Chest* is measured around buttoned-up garment at bottom of armholes. (*B*, fig. 1.)

7. *Total length* is measured from bottom of neckband down center of back to bottom of garment. (*C*, fig. 1.)

8. *Body length* is taken from bottom of neckband down center of back to bottom of waistband. (*T*, fig. 1.)

9. *Yoke length* is measured along bottom of yoke where it joins body of garment. (*Y*, fig. 1.)

10. *Sleeve length* is measured from bottom of neckband at center of back to the bottom of cuff. (*E*, fig. 1.)

11. *Sleeve width* is measured in a straight line from top to bottom of armhole. (*A*, fig. 1.)

12. *Cuff length* is measured with cuff opened flat at top where it joins the sleeve. (*O*, fig. 1.)

13. *Waist* is measured around button-up garment 2 inches above waistband. (*W*, fig. 1.)

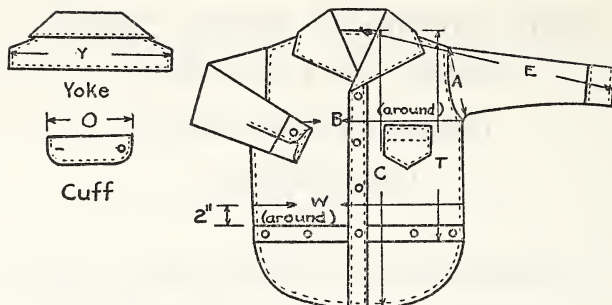


FIGURE 1.—Boys' button-on waists.

TABLE 1.—Standard minimum measurements for boys' button-on waists

Location	Size (numbers)							
	3	4	5	6	7	8	9	10
Chest around (B).....	in. 28	in. 29	in. 30	in. 31	in. 32	in. 33	in. 34	in. 35
Total length (C).....	15½	16¼	17	17¾	18½	19¼	20	20¾
Body length (T).....	10¼	11	11¾	12½	13¼	14	14¾	15½
Yoke length (Y).....	11¼	11½	11¾	12	12¼	12½	12¾	13
Sleeve length (E).....	18	19	20	21	22	23	24	25
Sleeve width (A).....	5¾	6	6¼	6½	6¾	7	7¼	7½
Cuff length (O).....	7¾	7¾	8¼	7¾	7¾	8½	8½	8½
Waist 2 inches above waistband (W).....	26	27	28	29	30	31	32	33

BOYS' SHIRTS

Method of Measuring

14. *Neckband* is measured from center of button around inside of neckband to far end of buttonhole. (D, fig. 2.)

15. *Chest* is measured around buttoned-up garment at bottom of armholes. (B, fig. 2.)

16. *Total length* is measured from bottom of neckband down center of back to bottom of garment. (C, fig. 2.)

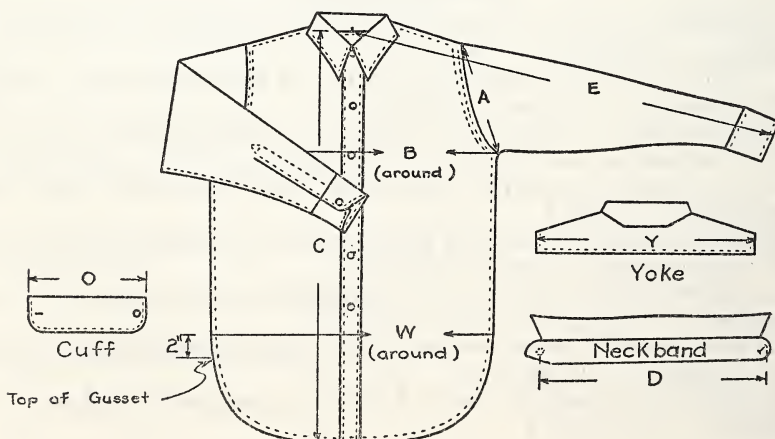


FIGURE 2.—Boys' shirts.

17. *Yoke length* is measured along bottom of yoke where it joins body of garment. (*Y*, fig. 2.)

18. *Sleeve length* is measured from bottom of neckband at center of back to bottom of cuff. (*E*, fig. 2.)

19. *Sleeve width* is measured in a straight line from top to bottom of armhole. (*A*, fig. 2.)

20. *Cuff length* is measured with cuff opened flat at top where it joins the sleeve. (*O*, fig. 2.)

21. *Shirt waistline* is measured around buttoned-up garment 2 inches above gussets. (*W*, fig. 2.)

TABLE 2.—Standard minimum measurements for boys' shirts

Location	Neckband (inches)					
	12	12½	13	13½	14	14½
Chest around (<i>B</i>).....	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
Total length (<i>C</i>).....	33	35	37	39	41	43
Yoke length (<i>Y</i>).....	27	27	28	29	30	31
Sleeve length (<i>E</i>).....	14¾	15¼	15¾	16¼	16¾	17¼
Sleeve width (<i>A</i>).....	28	29	30	31	32	33
Cuff length (<i>O</i>).....	8½	8¾	9	9¼	9½	9¾
Shirt waistline, around, 2 in. above gussets (<i>W</i>).....	33	35	37	39	41	43

BOYS' JUNIOR SHIRTS

Method of Measuring

22. *Neckband* is measured from center of button around inside of neckband to far end of buttonhole. (*D*, fig. 3.)

23. *Chest* is measured around buttoned-up garment at bottom of armholes. (*B*, fig. 3.)

24. *Total length* is measured from bottom of neckband down center of back to bottom of garment. (*C*, fig. 3.)

25. *Yoke length* is measured along bottom of yoke where it joins body of garment. (*Y*, fig. 3.)

26. *Sleeve length* is measured from bottom of neckband at center of back to the bottom of cuff. (*E*, fig. 3.)

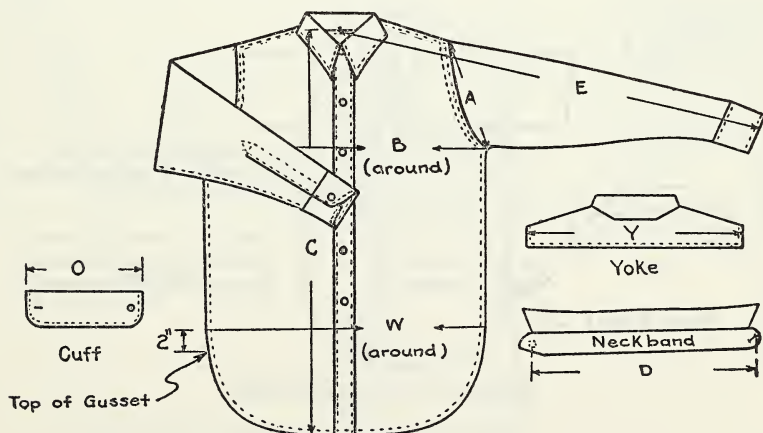


FIGURE 3.—Boys' junior shirts.

27. *Sleeve width* is measured in a straight line from top to bottom of armhole. (*A*, fig. 3.)

28. *Cuff length* is measured with cuff opened flat at top where it joins the sleeve. (*O*, fig. 3.)

29. *Shirt waistline* is measured around buttoned-up garment 2 inches above gussets. (*W*, fig. 3.)

TABLE 3.—Standard minimum measurements for boys' junior shirts

Location	Size (numbers)								
	6	7	8	9	10	11	12	13	14
Neckband (<i>D</i>).....	<i>in.</i> 11	<i>in.</i> 11	<i>in.</i> 11½	<i>in.</i> 11½	<i>in.</i> 12	<i>in.</i> 12	<i>in.</i> 12½	<i>in.</i> 12½	<i>in.</i> 13
Chest around (<i>B</i>).....	29	30	31	32	33	34	35	36	37
Total length (<i>C</i>).....	22	22½	23	23½	24	24½	25	25½	26
Yoke length (<i>Y</i>).....	12	12½	13	13½	14	14½	15	15½	16
Sleeve length (<i>E</i>).....	21	22	23	24	25	26	27	28	29
Sleeve width (<i>A</i>).....	6	6¼	6½	6¾	7	7¼	7½	7¾	8
Cuff length (<i>O</i>).....	8	8	8½	8½	8½	8½	8½	8½	8½
Shirt waistline, around, 2 in. above gussets (<i>W</i>).....	29	30	31	32	33	34	35	36	37

BOYS' POLO SHIRTS

Method of Measuring

30. *Neckband* is measured from center of button around inside of neckband to far end of buttonhole. (*D*, fig. 4.)

31. *Chest* is measured around garment at bottom of the armhole. (*B*, fig. 4.)

32. *Total length* is measured from bottom of neckband down center of back to bottom of garment. (*C*, fig. 4.)

33. *Yoke length* is measured along bottom of yoke where it joins body of garment. (*Y*, fig. 4.)

34. *Sleeve width* is measured in a straight line from top to bottom of armhole. (*A*, fig. 4.)

35. *Shirt waistline* is measured around garment 2 inches above gussets. (*W*, fig. 4.)

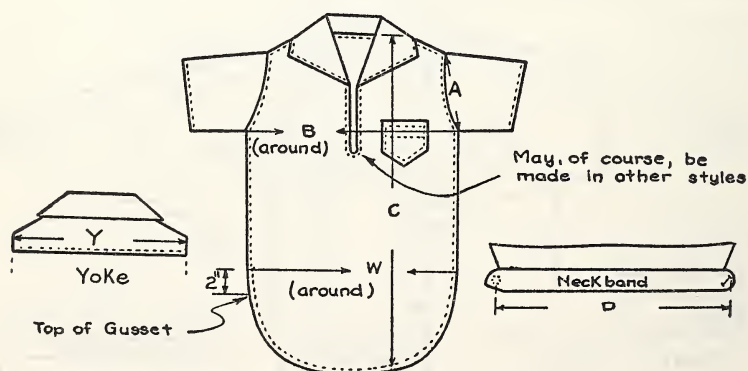


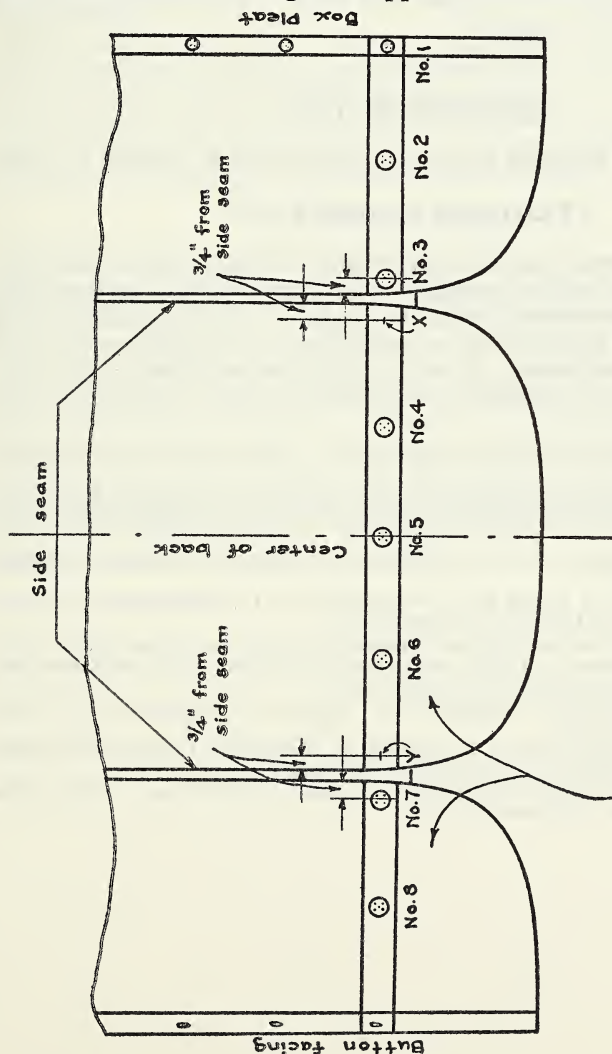
FIGURE 4.—Boys' polo shirts.

TABLE 4.—Standard minimum measurements for boys' polo shirts

Location	Size (numbers)							
	Junior classifications				Boys' classifications			
	6	8	10	12	14	16	18	20
Neckband (<i>D</i>).....	<i>in.</i> 11	<i>in.</i> 11½	<i>in.</i> 12	<i>in.</i> 12½	<i>in.</i> 13	<i>in.</i> 13½	<i>in.</i> 14	<i>in.</i> 14½
Chest around (<i>E</i>).....	29	31	33	35	37	39	41	43
Total length (<i>C</i>).....	22	23	24	25	28	29	30	31
Yoke length (<i>Y</i>).....	12	13	14	15	15¾	16¼	16¾	17¼
Sleeve width (<i>A</i>).....	6	6½	7	7½	9	9¼	9½	9¾
Shirt waistline, around, 2 in. above gussets (<i>W</i>).....	29	31	33	35	37	39	41	43

BUTTON SPACINGS FOR BOYS' BUTTON-ON WAISTS

36. The following system of spacing buttons on boys' button-on waists as illustrated in figure 5 applies to all sizes of waists.



Eight 24-Ligne buttons (0.6 inch) for all sizes of garments, located as follows:
 Nos. 1, 3, 5 and 7 - as shown
 No. 2 - midway between No. 1 and No. 3
 No. 4 - midway between No. 3 and No. 5
 No. 6 - midway between No. 5 and No. 7
 No. 8 - midway between No. 7 and button hole

FIGURE 5.—Waistband and tail of boys' button-on-waists showing button spacing.

37. Normally the waist measurement of a blouse is larger than the corresponding measurement of the pants intended for the same boy; therefore, the spacing between the buttonholes on the trousers should always be less than the corresponding spacing of the buttons on the blouse.

(1) Use *eight* 24-ligne (0.6-inch) buttons.

(2) Place button No. 1 on box pleat of front center of waist. Figure 5.

(3) Place buttons No. 3 and No. 7 three-fourths inch in front of side seams.

(4) Place button No. 2 midway between buttons No. 1 and No. 3. Similarly, place No. 8 midway between No. 7 and buttonhole for No. 1.

(5) Place button No. 5 in center of back.

(6) Place button No. 4 midway between button No. 5 and a point *X* three-fourths inch back of right side seam. Similarly, place No. 6 midway between No. 5 and *Y*.

EFFECTIVE DATE

The standard is effective for new production from August 15, 1939.

STANDING COMMITTEE

The following comprises the membership of the standing committee, which is to review, prior to circulation for acceptance, revisions proposed to keep the standard abreast of progress. Comment concerning the standard and suggestions for revision may be addressed to any member of the committee or to the Division of Trade Standards, National Bureau of Standards, which acts as secretary for the committee.

CHARLES E. OATHOUT (chairman), Kaynee Co., 6925 Aetna Road, Cleveland, Ohio.

M. E. ROWAN, Elder Manufacturing Co., 13th and Lucas Streets, St. Louis, Mo.
RANDALL BUCKINGHAM, Woodward & Lothrop, 11th and F Streets NW., Washington, D. C.

H. R. YOUNG, National Retail Dry Goods Association, Munsey Building, Washington, D. C.

G. D. GROSNER, 1325 F Street NW., Washington, D. C., Representing National Association of Retail Clothiers and Furnishers.

C. H. CECIL, Office of Indian Affairs, Department of Interior, Washington, D. C.
RUTH O'BRIEN, Division of Textiles and Clothing, Bureau of Home Economics, Department of Agriculture, Washington, D. C.

A. F. ALLISON, International Association of Garment Manufacturers, 40 Worth Street, New York, N. Y.

MRS. FRIEDA W. MCFARLAND, University of Maryland, College Park, Md., Representing American Home Economics Association.

DR. JOSEPHINE L. PEIRCE, 1006 Cook Tower, Lima, Ohio, Representing General Federation of Women's Clubs.

HISTORY OF PROJECT

Pursuant to a request from the National Boys' Blouse and Shirt Manufacturers Association, a division of the International Garment Manufacturers Association, a general conference of producers, distributors, and buyers was held on April 17, 1929, at Washington, D. C., to consider the establishment of a commercial standard covering minimum measurements of boys' blouses, button-on waists, shirts, and junior shirts.

There was considerable discussion regarding the question of shrinkage of the various materials from which boys' blouses, waists, and shirts are made, and it was the general consensus that the conference should not attempt to settle the amount of shrinkage allowed on finished garments. However, it was voted to add a general statement to read as follows: "Due allowances over dimensions given are made for shrinkage."

During the conference, attention was called to one important point that had not been covered, namely, the number and location of buttons on the waistband of boys' button-on waists. It was voted that the subject be studied and a definite recommendation developed.

The commercial standard, CS14-31, became effective for new production and clearance of existing stocks on January 1, 1931.

FIRST REVISION

On October 20, 1938, the standing committee recommended, among other changes, a system of button spacings for boys' button-on waists, the elimination of boys' blouses, and the addition of boys' polo shirts.

In order to make the standard as practicable and consistent as possible, minor changes were made in some of the measurements for each type of garment. The final draft, however, had the approval of the standing committee before it was sent to the manufacturers, distributors, and users for written acceptance on November 10, 1938.

The recommended revision was subsequently approved by a majority of those directly concerned and the success of the project was announced on May 15, 1939. The standard, CS14-39, is effective for new production from August 15, 1939.

ACCEPTANCE OF COMMERCIAL STANDARD

This sheet properly filled in, signed, and returned will provide for the recording of your organization as an acceptor of this commercial standard.

Date -----

Division of Trade Standards,
National Bureau of Standards,
Washington, D. C.

Gentlemen:

Having considered the statements on the reverse side of this sheet, we accept the Commercial Standard CS14-39 as our standard of practice in the

Production ¹

Distribution ¹

Use ¹

of boys' button-on waists, shirts, junior and polo shirts.

We will assist in securing general recognition and use, and will cooperate with the standing committee to effect revisions of the standard when necessary.

Signature of individual officer -----

(Kindly typewrite or print the following lines)

Name and title of above officer -----

Company -----
(Fill in exactly as it should be listed in pamphlet)

Street address -----

City and State -----

¹ Please designate which group you represent by drawing lines through the other two. Please file separate acceptances for all subsidiary companies and affiliates which should be listed separately as acceptors. In the case of related interests, trade papers, colleges, etc., desiring to record their general approval, the words "in principle" should be added after the signature.

TO THE ACCEPTOR

The following statements answer the usual questions arising in connection with the acceptance and its significance:

1. *Enforcement.*—Commercial standards are commodity specifications voluntarily established by mutual consent of the industry. They present a common basis of understanding between the producer, distributor, and consumer and should not be confused with any plan of governmental regulation or control. The United States Department of Commerce has no regulatory power in the enforcement of their provisions, but since they represent the will of the industry as a whole, their provisions through usage soon become established as trade customs, and are made effective through incorporation into sales contracts by means of labels, invoices, and the like.

2. *The acceptor's responsibility.*—The purpose of commercial standards is to establish for specific commodities, nationally recognized grades or consumer criteria and the benefits therefrom will be measurable in direct proportion to their general recognition and actual use. Instances will occur when it may be necessary to deviate from the standard and the signing of an acceptance does not preclude such departures; however, such signature indicates an intention to follow the commercial standard where practicable, in the production, distribution, or consumption of the article in question.

3. *The Department's responsibility.*—The major function performed by the Department of Commerce in the voluntary establishment of commercial standards on a Nation-wide basis is fourfold: first, to act as an unbiased coordinator to bring all branches of the industry together for the mutually satisfactory adjustment of trade standards; second, to supply such assistance and advice as past experience with similar programs may suggest; third, to canvass and record the extent of acceptance and adherence to the standard on the part of producers, distributors, and users; and fourth, after acceptance, to publish and promulgate the standard for the information and guidance of buyers and sellers of the commodity.

4. *Announcement and promulgation.*—When the standard has been endorsed by companies representing a satisfactory majority of production, the success of the project is announced. If, however, in the opinion of the standing committee of the industry or the Department of Commerce, the support of any standard is inadequate, the right is reserved to withhold promulgation and publication.

ACCEPTORS

The organizations and individuals listed below have accepted these classifications and garment measurements as their standard of practice in the production, distribution, and use of boys' button-on waists, shirts, junior and polo shirts. Such endorsement does not signify that they may not find it necessary to deviate from the standard nor that producers so listed guarantee all of their products to conform with the requirements of this standard. Therefore, specific evidence of conformity should be obtained where required.

ASSOCIATIONS

Independent Wholesale Dry Goods Association, Inc., New York, N. Y.	New York, Associated Dry Goods Corporation of, New York, N. Y.
International Association of Garment Manufacturers, New York, N. Y.	North Dakota Retail Merchants Association, Fargo, N. Dak.
National Council of Women, Boston, Mass. (In principle.)	Sacramento, Retail Merchants Association of, Sacramento, Calif. (In principle.)
National Retail Dry Goods Association, New York, N. Y.	

FIRMS

Anderson-Newcomb Co., Huntington, W. Va.	Crown Overall Manufacturing Co., The, Cincinnati, Ohio.
Ayres & Co., L. S., Indianapolis, Ind.	Darsey & Co., George E., Grapeland, Tex.
Ball & Giles, Inc., Troy, N. Y.	Deidrick Shirt & Collar, Kent, Ohio.
Belvidere Garment Manufacturing Co., Chicago, Ill.	Elder Manufacturing Co., St. Louis, Mo.
Bernstein & Sons Shirt Corporation, New York, N. Y.	Emery, Bird, Thayer Co., Kansas City, Mo.
Bon Marche, The, Seattle, Wash.	Fallis Brothers, Ontario, Calif.
Boston Store, Delaware, Ohio.	Gable Co., The Wm. F., Altoona, Pa.
Boston Store (The Herzfeld Phillipson Co.), Milwaukee, Wis.	Gamble-Desmond Co., The, New Haven, Conn.
Bowen & Co., C. O., Pomona, Calif.	Gertz, Inc., B., Jamaica, N. Y.
Braun & Co., D., Milwaukee, Wis.	Goldstein-Migel Co., The, Waco, Tex.
Brown Co., John A., Oklahoma City, Okla.	Goldstone Brothers, Petaluma, Calif.
Brown Durrell Co., New York, N. Y.	Grant, Inc., Gail G., Painesville, Ohio.
Brown Manufacturing Co., C. P., Des Moines, Iowa.	Grant Co., W. T., New York, N. Y.
Browning King & Co., Omaha, Nebr.	Grosner of Washington, Washington, D. C.
Brunschwig & Co., Felix, El Paso, Tex.	Hager & Brother, Inc., Lancaster, Pa.
Burdines, Inc., Miami, Fla.	Harris Stores Co., Pittsburgh, Pa.
Cherry's Sons, Robert, Philadelphia, Pa.	Harvard Bazar, Inc., Cambridge, Mass.
Chicago Mail Order Co., Chicago, Ill.	Hatch Textile Research, Inc., New York, N. Y.
Cohen Brothers, Jacksonville, Fla.	Hecht Co., The, Washington, D. C.
Commercial Trading Co., Boston, Mass.	Heironimus Co., Inc., S. W., Roanoke, Va.
Congress Shirt Co., Boston, Mass.	Henderson-Hoyt Co., The, Oshkosh, Wis.
Consumers Testing Laboratories, Philadelphia, Pa.	Hengerer Co., Wm., Buffalo, N. Y.
Coshocton Manufacturing Co., The, Coshocton, Ohio.	Hirsch, Weis Manufacturing Co., Portland, Oreg.
Cowan & Hunt, Inc., Sault Ste. Marie, Mich.	Holman, Louis C., New York, N. Y.

- Kann Sons Co., S., Washington, D. C.
 Kaynee Co., The, Cleveland, Ohio.
 Keller's Department Store, Liberty, N. Y.
 King's, Inc., Johnson City, Tenn.
 Kurtz, David, New York, N. Y.
 Leeds, College of Technology, Clothing Trades Department, Leeds, Yorkshire, England. (In principle.)
 Lord's, Attleboro, Mass.
 Lord & Taylor, New York, N. Y.
 Lubell Brothers, Inc., New York, N. Y.
 Lumbermen's Mercantile Co., The, Shelton, Wash.
 Malley Co., Edw., New Haven, Conn.
 Mansbach Brothers, Norfolk, Va.
 Marston Co., The, San Diego, Calif.
 Marting Brothers Co., The, Portsmouth, Ohio.
 Maryland, University of, College Park, Md.
 Miller & Rhoads, Inc., Richmond, Va.
 Minnesota, University of, Division of Home Economics, University Farm, St. Paul, Minn. (In principle.)
 Monarch Wash Suit Co., New Bedford, Mass.
 Moore Co., Harry C., Nevada, Mo.
 National Bellas Hess, Inc., New York, N. Y.
 Neel Co., Jos. N., Macon, Ga.
 New Orleans, Inc., Better Business Bureau of, New Orleans, La. (In principle.)
 New Utica, The, Des Moines, Iowa.
 O'Connor, Moffatt & Co., San Francisco, Calif.
 Parents' Magazine, The, New York, N. Y. (In principle.)
 Parke Snow, Inc., Waltham, Mass.
 Pennsylvania State College, State College, Pa. (In principle.)
 Pfeifer Brothers, Little Rock, Ark.
 Pullar, Robert Taft, New York, N. Y.
 Rice-Stix, St. Louis, Mo.
 Rike Kumler Co., The, Dayton, Ohio.
 Robinson Co., J. W., Los Angeles, Calif.
 Rumbaugh MacLain, Inc., Everett, Wash.
 Sage Allen & Co., Hartford, Conn.
 San Souci Co., J. O., Providence, R. I.
 Savada Brothers, New York, N. Y.
 Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo.
 Sears, Roebuck & Co., Chicago, Ill.
 Sexton Manufacturing Co., Fairfield, Ill.
 Sheffield Mills, The, New York, N. Y.
 Shrage & Pines, New York, N. Y.
 Silverstein's, New Orleans, La.
 Sisson Brothers-Welden Co., Binghamton, N. Y.
 Snell, Inc., Foster D., Brooklyn, N. Y.
 Solis, Entrialgo & Co. ("El Encanto" Department Store), Havana, Cuba.
 Stampfer Co., J. F., Dubuque, Iowa.
 Stearns Co., R. H., Boston, Mass.
 Stern Brothers, New York, N. Y.
 Strouse-Baer Co., The, Baltimore, Md.
 Strouss-Hirshberg Co., The, Youngstown, Ohio.
 Sturn Shirt Co., Clifton, N. J.
 Valley Dry Goods Co., The, Vicksburg, Miss.
 Van Straaten's, Durham, N. C.
 Walker Stetson Co., Boston, Mass.
 Warren, Chamber of Commerce of, Warren, Ohio. (In principle.)
 Wasson Co., H. P., Indianapolis, Ind.
 Wieboldt Stores, Inc., Chicago, Ill.
 Wilderman's Boys Shop, Tampa, Fla.
 Woodward & Lothrop, Washington, D. C.
 Younker Brothers, Inc., Des Moines, Iowa.
 Zahn Dry Goods Co., Racine, Wis.

U. S. GOVERNMENT

War Department, Ordnance Department, Washington, D. C.

COMMERCIAL STANDARDS

- | CS No. | Item | CS No. | Item |
|--------|--|--------|--|
| 0-39. | Commercial standards and their value to business (second edition). | 19-32. | Foundry patterns of wood (second edition). |
| 1-32. | Clinical thermometers (second edition). | 20-36. | Staple vitreous china plumbing fixtures (second edition). |
| 2-30. | Mopsticks. | 21-39. | Interchangeable ground-glass joints, stopcocks, and stoppers (fourth edition). |
| 3-38. | Stoddard solvent (second edition). | 22-30. | Builders' hardware (nontemplate). |
| 4-29. | Staple porcelain (all-clay) plumbing fixtures. | 23-30. | Feldspar. |
| 5-29. | Steel pipe nipples. | 24-30. | Standard screw threads. |
| 6-31. | Wrought-iron pipe nipples (second edition). | 25-30. | Special screw threads. |
| 7-29. | Standard weight malleable iron or steel screwed unions. | 26-30. | Aromatic red cedar closet lining. |
| 8-33. | Gage blanks (second edition). | 27-36. | Mirrors (second edition). |
| 9-33. | Builders' template hardware (second edition). | 28-32. | Cotton fabric tents, tarpaulins, and covers. |
| 10-29. | Brass pipe nipples. | 29-31. | Staple seats for water-closet bowls. |
| 11-29. | Regain of mercerized cotton yarns. | 30-31. | Colors for sanitary ware. |
| 12-38. | Fuel oils (fourth edition). | 31-38. | Wood shingles (fourth edition). |
| 13-39. | Dress patterns (second edition). | 32-31. | Cotton cloth for rubber and pyroxylin coating. |
| 14-39. | Boys' button-on waists, shirts, junior and polo shirts (made from woven fabrics) (second edition). | 33-32. | Knit underwear (exclusive of rayon). |
| 15-29. | Men's pajamas. | 34-31. | Bag, case, and strap leather. |
| 16-29. | Wallpaper. | 35-31. | Plywood (hardwood and eastern red cedar). |
| 17-32. | Diamond core drill fittings (second edition). | 36-33. | Fourdrinier wire cloth (second edition). |
| 18-29. | Hickory golf shafts. | 37-31. | Steel bone plates and screws. |
| | | 38-32. | Hospital rubber sheeting. |
| | | 39-37. | Wool and part-wool blankets (second edition). |

CS No.	Item	CS No.	Item
40-32.	Surgeons' rubber gloves.	57-36.	Book cloths, buckrams, and impregnated fabrics for book binding purposes except library bindings.
41-32.	Surgeons' latex gloves.	58-36.	Woven elastic fabrics for use in overalls (overall elastic webbing).
42-35.	Fiber insulating board (second edition).	59-39.	Woven dress fabrics—testing and reporting (second edition).
43-32.	Grading of sulphonated oils.	60-36.	Hardwood dimension lumber.
44-32.	Apple wraps.	61-37.	Wood-slat venetian blinds.
45-38.	Douglas fir plywood (domestic grades) (third edition).	62-38.	Colors for kitchen accessories.
46-36.	Hosiery lengths and sizes (second edition).	63-38.	Colors for bathroom accessories.
47-34.	Marking of gold-filled and rolled-gold-plate articles other than watch cases.	64-37.	Walnut veneers.
48-34.	Domestic burners for Pennsylvania anthracite (underfeed type).	65-38.	Wool and part-wool fabrics.
49-34.	Chip board, laminated chip board, and miscellaneous boards for bookbinding purposes.	66-38.	Marking of articles made wholly or in part of platinum.
50-34.	Binders board for bookbinding and other purposes.	67-38.	Marking articles made of karat gold.
51-35.	Marking articles made of silver in combination with gold.	68-38.	Liquid hypochlorite disinfectant.
52-35.	Mohair pile fabrics (100-percent mohair plain velvet, 100-percent mohair plain frieze, and 50-percent mohair plain frieze).	69-38.	Pine oil disinfectant.
53-35.	Colors and finishes for cast stone.	70-38.	Coal tar disinfectant (emulsifying type).
54-35.	Mattresses for hospitals.	71-38.	Cresylic disinfectants.
55-35.	Mattresses for institutions.	72-38.	Household insecticide (liquid spray type).
56-36.	Oak flooring.	73-38.	Old growth Douglas fir standard stock doors.
		74-39.	Solid hardwood wall paneling.
		75-39.	Automatic mechanical draft oil burners.

NOTICE.—Those interested in commercial standards with a view toward accepting them as a basis of everyday practice in their industry, may secure copies of the above standards, while the supply lasts, by addressing the Division of Trade Standards, National Bureau of Standards, Washington, D. C.



